B5

11. The maize plant, or parts thereof, of claim 2, wherein the plant or parts thereof contain one or more transgenes operably linked to one or more regulatory elements.

19. The maize plant or parts of claim 18, wherein the one or more single gene conversions comprise a dominant allele.

B6

20. The maize plant or parts of claim 18, wherein the one or more single gene conversions comprise a recessive allele.

21. A maize plant, or parts thereof, having all the physiological and morphological characteristics of inbred line PH48V, representative seed of said line having been deposited under ATCC accession No. PTA-4263.

B7

25. A maize plant regenerated from the tissue culture of claim 23, capable of expressing all the morphological and physiological characteristics of inbred line PH48V, representative seed of which have been deposited under ATCC Accession No. PTA-4263.

B8

30. The maize plant, or parts thereof, of claim 21, wherein the plant or parts thereof contain one or more transgenes operably linked to one or more regulatory elements.

B9

37. A process for producing inbred PH48V, representative seed of which have been deposited under ATCC Accession No. PTA-4263, comprising:

(a) planting a collection of seed comprising seed of a hybrid, one of whose parents is inbred PH48V, said collection also comprising seed of said inbred;

(b) growing plants from said collection of seed;

(c) identifying inbred parent plants;

(d) selecting said inbred parent plant;

(e) controlling pollination through selfing which preserves the homozygosity of said inbred parent plant; and

(f) collecting morphological and/or physiological data so that said inbred parent may be identified as inbred PH48V.

B10

40. A method for producing a PH48V-derived maize plant, comprising:

(a) crossing inbred maize line PH48V, representative seed of said line having been deposited under ATCC Accession No. PTA- 4263, with a second maize plant to yield progeny maize seed;

(b) growing said progeny maize seed, under plant growth conditions, to yield said PH48V-derived maize plant.

41. A PH48V-derived maize plant, or parts thereof, produced by the method of claim 40.

B11

45. A PH48V-derived maize plant, or parts thereof, produced by the method of claim 44.

B12

48. The maize plant or parts of claim 47, wherein the one or more single gene conversions comprise a dominant allele.

49. The maize plant or parts of claim 47, wherein the one or more single gene conversions of claim 47 comprise a recessive allele.

50. The plant of claim 3 wherein said plant further comprises genetic or cytoplasmic male sterility.